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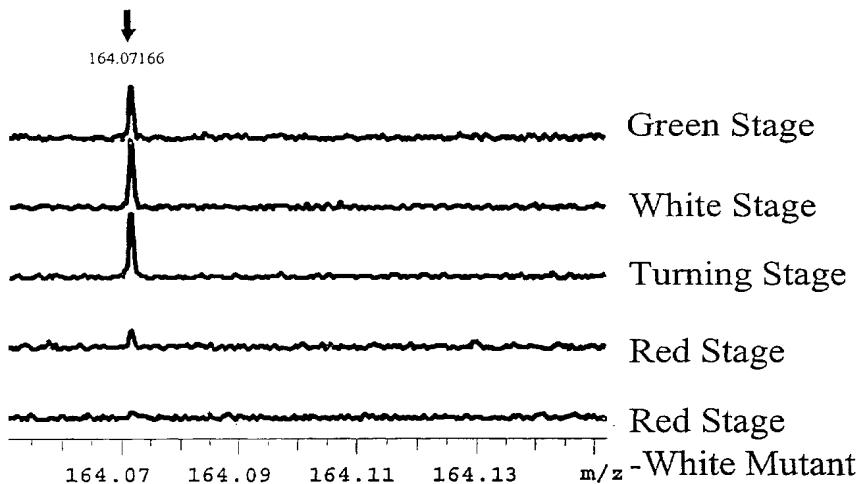
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[Continued on next page]

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(54) Title: METHOD OF NON-TARGETED COMPLEX SAMPLE ANALYSIS

Phenylalanine



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(57) Abstract: A method for non-targeted complex sample analysis which involves the following steps. A first step involves providing a database (16) containing identifying data of known molecules. A second step involves introducing a complex sample containing multiple unidentified molecules into a Fourier Transform Ion Cyclotron Mass Spectrometer (12) to obtain data regarding the molecules in the complex sample. A third step involves comparing the collected data regarding the molecules in the complex sample with the identifying data of known molecules in order to arrive at an identification through comparison of the molecules in the sample.



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INT'L NATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 00 77712 A (ERIKSSON JAN ; CHAIT BRIAN T (US); FENYOE DAVID (US); UNIV ROCKEFEL) 21 December 2000 (2000-12-21) abstract; claim 1; figure 13 ----	1-25
A	R.N. TRETHEWEY ET AL: "Metabolic profiling: a Rosetta Stone for genomics?" CURRENT OPINION IN PLANT BIOLOGY, vol. 2, 1999, pages 83-85, XP001058379 the whole document ---- -/-	1-25

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SHINKA T ET AL: "Urine screening of five-day-old newborns: metabolic profiling of neonatal galactosuria" JOURNAL OF CHROMATOGRAPHY B: BIOMEDICAL APPLICATIONS, ELSEVIER SCIENCE PUBLISHERS, NL, vol. 732, no. 2, 24 September 1999 (1999-09-24), pages 469-477, XP004181089 ISSN: 0378-4347 abstract</p> <p>-----</p>	1-25
A	<p>DARIUS J: "On-column gas chromatographic-mass spectrometric assay for metabolic profiling of valproate in brain tissue and serum" JOURNAL OF CHROMATOGRAPHY B: BIOMEDICAL APPLICATIONS, ELSEVIER SCIENCE PUBLISHERS, NL, vol. 682, no. 1, 28 February 1996 (1996-02-28), pages 67-72, XP004044109 ISSN: 0378-4347</p> <p>-----</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0077712	A 21-12-2000	WO 0077712 A1	21-12-2000